**Swate Tiromalachetty**

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**Professional Summary:**

* Full Stack Web Developer with over 7 years experience. Extensive working experience with Angular 7, Java, Spring MVC, Hibernate, Microsoft SQL Server, MongoDB, Nodejs
* Strong understanding of Object Oriented Programming methodology, SDLC (Software Development Life Cycle), Agile/Scrum methodologies/processes and analysis and design using MVC.
* Experienced in version control tools like GIT and ticket tracking platform like JIRA.
* Extensive experience in designing and developing RESTful Web Services.
* In-depth knowledge in database development using MongoDB, SQL developer, MySQL.
* Excellent interpersonal skills in communicating with the clients and team regularly for better understanding of the design requirements. Self-motivated and excellent abilities to learn new language and other concepts quickly.

**EDUCATION:**

* Master of Science, Computer Science, The University of Texas at Dallas, Richardson, TX **2014 GPA-3.7**
* Bachelor of Technology, CS, Jawaharlal Nehru Technological University, Hyderabad, India **2012 GPA-3.5**

**Technical Skills:**

**Programming Languages:** JAVA 8, Android, C++

**Technologies:**  JQuery, JavaScript, CSS, JSP, JSON, XML, XSL, Angular 7, Angular Material

**Databases:** MySQL, SQL Developer, SQLite

**Software Tools/Frameworks:** Spring MVC, Spring Boot, REST web services, Git, Maven, Hadoop, Eclipse, IntelliJ, Charles, Jira, SOAP,MongoDB, AWS cloud

**Professional Experience:**

**Full Stack Developer, American Airlines, TX Sep 2019 – Present**

**Description:** Developed an automated volunteer enterprise web application that helps the passengers to volunteer on their upcoming flight.

**Responsibilities:**

* Developing an angular application that presents the passenger with different options to volunteer on a flight.
* Worked on microservices based architecture using Pair programming and test driven development strategy.
* Developed business components using Spring boot, Spring annotations and Spring Integration.
* Exposed REST APIs which provide information from underlying systems and worked on metabase for analytics.
* Written test cases using Spring boot, Junit and Mockito frameworks for unit and integration testing.

**Environment:** Java 11, Spring MVC, Spring Boot, REST, PostgresSQL, Angular 7, IBM cloud, Metabase, GIT, Splunk

**Full Stack Developer, Anelto, TX May 2018 – Sep 2019**

**Description:** Developed an HIPAA compliant enterprise web application that assists the Dealers and caregivers with PERS device activation, management and tracking.

**Responsibilities:**

* Developing a Clinical Dashboard application end to end using MEAN stack for doctors and caregivers to monitor patients. Used MongoDB and mongoose for database persistence using Node.js to interact with MongoDB.
* Implemented functionality for inventory tracking, device lifecycle management and report generation.
* Developed business components using Spring boot, IOC and Spring annotations.
* Exposed REST APIs which provide information from underlying systems.
* Consumed the REST and SOAP API’s of Rapid/Avant Central Stations for account creation and management.

**Environment:** Java 8, Spring MVC, Spring Boot, REST, MongoDB, Express,Angular 7, Nodejs, Bootstrap, AWS,GIT

**Software Developer, Verizon, TX Jul 2015 – Mar 2018**

**Description:** Time Entry -A web application for technicians and supervisors to report field work and log time for payroll processing.

**Responsibilities:**

* Contributed in JSON Web Token generation and distribution upon successful login using Spring Security.
* Created POJO classes, controllers, and repositories with the use of hibernate, Jpa repository, and annotation to work with SQL.
* Communicated with the clients and UAT team regularly for better understanding of the design requirements.
* Implemented Swagger configuration in Spring Boot for auto generating swagger json files for REST API calls.
* Implemented a simulator app for training the end users like technicians and supervisors to use the application.

**Environment:** Java 8, Java Script, Spring Boot, RESTful Microservices, MySQL, Angular 7, GIT, Maven, Docker, Jenkins, AWS RDS

**Software Engineer, CompuMatrice, TX**  **Aug 2014 – July 2015**

**Description:** Developed a HIPAA compliant real-time indoor-outdoor location tracking & task management.Healthcare application to assist with asset management, patient care and indoor tracking of individuals by using location-aware technologies.

**Responsibilities:**

* Implemented features like real time task alerts, context-based task assignments and predictive analytics.
* Optimized the GPS tracking functionality of the app to reduce battery drain on Android devices.
* Analyzed the business requirements and implemented the process using Sprint and Agile (Scrum) methodology.
* Developed and executed the Unit Test plans using JUnit, ensuring that results are documented and reviewed.
* Worked on Defects/Bug fixes as per Weekly Sprint Planning.

**Environment:** Java, Spring MVC, SQL, Restful API, Eclipse, JDK 1.7, Jenkins and GIT.

**Android Developer, Bottle Rocket Studios, TX May 2014 – Aug 2014**

**Description:** Worked on development and bug fixing of News, Travel and Entertainment apps on various devices for clients like Fox News, Travel Channel, and Food Network.

**Responsibilities:**

* Enhanced the video player functionality of various Scripps Apps.
* Developed new features and debugged various News, Travel and Entertainment apps on various Android devices for clients like Fox News, Travel Channel, and Food Network using agile methodology (SCRUM).
* Responsible for requirement analysis, design, develop, implementation and testing the application using Android framework/J2EE technologies.
* Translating functional requirements into technical design specifications.
* Managed the overall technical implementation of the new proposed enhancements.

**Environment:** Java, Android, SQL, Restful API, Eclipse, JDK 1.6 and GIT.

**Student Instructor at CS Outreach UTD, Volunteer** **Aug 2013 – May 2014**

* Conducted hands-on workshops on topics like Java, Android, JavaScript and Alice for High School and Undergrad students.

**Academic Projects:**

* **Atomic Broadcast Service (SCTP, UNIX) using Java**: Implemented a Total ordering broadcast messaging system across a distributed platform using Skeen’s Algorithm.
* Visualization and Analysis of the Internet Movie Database using Hadoop map Reduce (JAVA).
* Analyzed the IMDB Dataset on a Hadoop Map Reduce platform to monitor viewers’ behavior.
* Developed an application to retrieve the top rated movies.
* Performed data analysis using Pig and Hive.
* **Nine Men Morris Playing Agent (Artificial Intelligence):** Developed using gaming trees to generate moves and optimized the decision making process by implementing the Alpha-Beta Pruning algorithm.
* **Split Screen application for Data entry of Shipments (J2EE):** Developed an online data entry system for the shipment of goods and courier logistics using spring framework under the guidelines of Infosys Connect Program.